

Product Data Sheet

PRODUCT NAME:
 GlazeGuard®1000 WR
 Water Resistant Opaque
 Glazing Panels

MANUFACTURER:
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PANEL & SYSTEM DESCRIPTION

OVERVIEW:
 GlazeGuard® 1000 WR is a composite panel made by laminating either textured or smooth aluminum skins to high density polypropylene stabilizers. These plastic stabilizers surround a core of expanded polystyrene or polyisocyanurate foam.

Panels are furnished with a strippable film (or interleaved microfoam) on the painted surfaces to protect the finish during shipment and installation.

GlazeGuard® 1000 WR is installed in aluminum glazing/storefront channels (typically on setting blocks) and sealed using gaskets. No mechanical fasteners or adhesives are used in the installation of the panel.

BASIC USES & APPLICATIONS:
 As an alternative or complement to glass, GlazeGuard® panels provide an excellent choice for use as glazing infill, spandrel panels, modesty screens, and railing inserts.

These panels are typically used on various types of buildings including schools and universities, retail complexes, storefront conditions etc... However, with a water resistant composition and a foam core, GlazeGuard® 1000 WR panels are ideal for other applications where increased thermal properties are desired and incidental moisture intrusion may be possible.

TABLE 1. COMPOSITION & MATERIALS¹:

Component	Standard (in)	Metric (mm)
• Prefinished Textured Aluminum Skins (or) Prefinished Smooth Aluminum Skins	.010"	.254mm
• High Density Polypropylene Stabilizers	.024" (min)	.609mm
• Expanded Polystyrene Foam (EPS) Core (or) Polyisocyanurate Foam (ISO) Core	5/32"	4.00mm
	5/8"	15.9mm
	5/8"	15.9mm

¹ Technical Properties (see back) are based upon the Typical Composition. Selecting optional components may alter these properties.

FEATURES & BENEFITS:

As a line of glazing infill solutions, GlazeGuard® offers a number of benefits to the building owner, architect, and installer including:

- **Versatile**
 GlazeGuard® panels offer solutions for water and fire resistant compositions in addition to the standard panel.
- **Water Resistant**
 Innovative polypropylene stabilizers make GlazeGuard® WR panels virtually unaffected by incidental moisture intrusion which may occur.
- **Low Maintenance**
 Little or no maintenance is required and most grease, dirt, oil, and other foreign material can be easily cleaned from the surface.
- **Variety Of Finish Options**
 GlazeGuard® panels are available in a wide range of colors and finishes. From solid tones in textured aluminum to metallic and anodized finishes in smooth skins, these panels provide the designer with a broad palette to work from.
- **Economical Alternative**
 With several different compositions and finish options, GlazeGuard® can provide an economical alternative to other glazing solutions while still providing aesthetic interest and value.

GENERAL LIMITATIONS:

GlazeGuard® panels are designed to be installed in glazing channels or other similar type channels where all four edges are sealed. The panels are not eligible for use as a wall cladding or system. No moldings are available with GlazeGuard® panels.

SYSTEM FINISHES:

GlazeGuard® 1000 WR panels are available with either smooth or textured prefinished aluminum skins.

Standard colors in textured skins are offered with a coil coated polyester. Premium colors are also available with an acrylic urethane coating.

Smooth standard and metallic colors are furnished with a durable Kynar 500® coating. Anodized finishes are also standard.

Whether smooth or textured, both finishes can be ordered in custom colors to match customers' standard.

TABLE 2. PANEL WEIGHT & THICKNESS:

Component	Standard	Metric
Panel Weight ¹ Nominal Thickness	1.05 lbs/ft ² 1"	5.12 kg/m ² 25mm

¹ Panel weight based upon an .010" textured face skin and an .010" textured back skin.

TABLE 3. PANEL PERFORMANCE:

Property	Test	Value (EPS)	Value (ISO)	Unit
R-Value	---	4.08	5.85	°F ft ² /BTU
Flame Spread	ASTM E84	Class A	Class A	---

MATERIAL TOLERANCES:

Thickness: ±1/32" (±0.79mm)
 Length Dim: +0, -1/8" (+0, -3.18mm)
 Width Dim: +0, -1/8" (+0, -3.18mm)
 Squareness: 1/64" (0.4mm) per lineal foot

SIZES AVAILABLE:

48" x 96" (1219mm x 2438mm)
 48" x 120" (1219mm x 3048mm)
 48" x 144" (1219mm x 3658mm)
 60" x 96" (1524mm x 2438mm)
 60" x 120" (1524mm x 3048mm)
 60" x 144" (1524mm x 3658mm)

GlazeGuard® is supplied with clean, machine trimmed edges.

Cut-to-size panels are also available in virtually any size up to 60" x 144".

PANEL FINISH SYSTEMS:

Standard Textured: Coil Coated Polyester
 Custom Textured: Spray Applied Acrylic Urethane
 Standard Smooth: Coil Coated Kynar 500®
 Custom Smooth: Spray Applied Kynar 500®

STANDARD WARRANTY:

Panel Warranty: 5 Years
 Polyester/Acrylic Finish: 5 Years
 No change greater than 6 for chalk, 8 E units for fade
 Kynar 500® Finish: 20 Years
 No change greater than 8 for chalk, 5 E units for fade
 Anodized Finish: 20 Years (prorated)